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Conceptual Design of ESS (European Spallation Source)

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The European Spallation Source

In 2003 the joint European effort to design a European Spallation Source (ESS) resulted in a set of reports and in May 2009 Lund was agreed to be the ESS site. The ESS Scandinavia office has since then worked on setting all the necessary legal and organizational matters in place so that the Design Update and construction can be started in collaboration with European partners. The design update phase is expected to end in 2012 and it will be followed by a construction phase with first neutrons expected in 2018-2019.

I will in this talk give an overview of the physics case for ESS, the ESS organization and the plans for the Design Update and Construction projects. Some details for the accelerator will be presented.

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